2006 DOE SOLID-STATE LIGHTING WORKSHOP

February 1-3, 2006 Grosvenor Resort Orlando, Florida

Workshop Agenda		
	February 1, 2006 – Basic Energy Science Contractor Meeting	
<u>7:30</u>	Registration and Continental Breakfast	
8:00	Welcome Valy Vardeny, University of Utah Tim Fitzsimmons, DOE James Brodrick, DOE	
8:20	Keynote Address: Electrophosphorescent Organic Light Emitting Devices, and their Application to Solid-State Lighting Stephen Forrest, University of Michigan	
9:00	Interfaces of Polymer Electronic Devices Antoine Kahn, Princeton University	
9:30	Spin Transport in Organic Semiconductors Jing Shi, University of California, Riverside	
<u>10:00</u>	Coffee Break	
10:20	Electronic Processes in Solid-State Organic Electronic Materials Darryl Smith, Los Alamos National Laboratory	
10:50	Transport Fundamentals in Crystalline Organic Semiconductor Devices Arthur Ramirez, Lucent Technologies	
11:20	Behavior of Charges, Excitons and Plasmons at Organic/Inorganic Interfaces Michael McGehee, Stanford University	
11:50	Design, Synthesis and Structuring of Functional Polymers and Dendrimers with Potential in Solid-State Lighting Technologies Jean Frechet, University of California and Lawrence Berkeley National Laboratory	
<u>12:20</u>	Lunch The DOE Nanoscience Centers and Solid-State Lighting (Invited Talk) Paul Alivisatos, University of California, Berkeley and Lawrence Berkeley National Laboratory	
2:00	How to Dope Wide-Gap Materials: Basic Design Rules Alex Zunger, National Renewable Energy Laboratory	
2:30	Optical Properties of Semiconductors from Clusters to Nanostructures James Chelikowsky, University of Texas	
3:00	Luminescence, Structure, and Growth of Wide-Bandgap InGaN Semiconductors	

Stephen Lee, Sandia National Laboratories

3:30	<u>Break</u>
3:50	Photonic Crystals and Negative Index Materials Costas Soukoulis, Iowa State University, Ames Laboratory
4:20	Programming Function in Photonic Crystals Paul Braun, University of Illinois
4:50	Biased Self-Assemblies in Block Copolymers and Nanorods (<i>Invited Talk</i>) Tom Russell, University of Massachusetts, Amherst
5:30	Wrap-Up and Day 2 Preview Valy Vardeny, University of Utah Tim Fitzsimmons, DOE James Brodrick, DOE
5:40	Adjourn

- $8{:}30\,$ Poster Session and Reception, with hors d'oeuvre stations and cash bar

Workshop Agenda _	
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February 2, 2006 – DOE SSL Program Updates and Project Presentations

<u>7:30</u>	Continental Breakfast
8:00	Welcome David Rodgers, DOE (invited)
8:20	Keynote Address Alan Allan, Intel
8:50	Program Overview: Update on Program Progress James Brodrick, DOE
9:10	Program Organization: Structure, Procedure, and Procurement Updates C. Edward Christy, National Energy Technology Laboratory
9:30	Industry Perspective Dale Work, Next Generation Lighting Industry Alliance
9:50	Basic Energy Science Program Update Tim Fitzsimmons, DOE
<u>10:10</u>	Coffee Break
10:30	Parallel Reporting Sessions: Brief Presentations on DOE-Funded SSL Projects (schedule of reports provided separately) LED Project Reports OLED Project Reports
<u>12:30</u>	<u>Lunch</u>
	International Perspective: SSL R&D Patterns Mark Huey, Strategic Perspectives
2:00	Parallel Reporting Sessions: Brief Presentations on DOE-Funded SSL Projects (continued) LED Project Reports OLED Project Reports
<u>3:30</u>	<u>Break</u>
3:50	Parallel Reporting Sessions: Brief Presentations on DOE-Funded SSL Projects (continued) LED Project Reports OLED Project Reports
5:00	Adjourn
6 - 8:00	Reception, with hors d'oeuvre stations and cocktails Sponsored in part by the Next Generation Lighting Industry Alliance

Workshop Agenda

February 3, 2006 – SSL Commercialization Support Activities

7:30	Continental Breakfast
8:00	Welcome: Overview of Day 3 Topics James Brodrick, DOE
8:10	DOE SSL Commercialization Support Activities Marc Ledbetter, Pacific Northwest National Laboratory
8:40	Lighting for Tomorrow Design Competition Kelly Gordon, Pacific Northwest National Laboratory
9:10	ENERGY STAR Update Jeff McCullough, Pacific Northwest National Laboratory
9:40	NEMA Solid-State Lighting Section Update Makarand Chipalkatti, Osram Sylvania
10:10	Coffee Break
10:30	Lighting Designer Perspective Ted Ferreira, City Design Group
11:00	Wrap-Up James Brodrick, DOE